

PATENT
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Masahiro IWAMOTO, et al.

Application No.: 08/878,177

Filed: June 18, 1997

Issue Branch Batch No.: E97

Allowed: April 12, 2001

For: CELL CALCIFICATION SPRESSING PROTEINS, AND
GENES OF THE PROTEINS

Commissioner for Patents
BOX ISSUE FEE
Washington, D.C. 20231

TRANSMITTAL OF NEW DRAWINGS TO CORRECT INFORMALITIES

To correct the informalities in the drawings as noted on the PTO-37, Applicants submit herewith 12 sheets of new drawings including photographs containing 12 figures.

The three month period of response set in the Notice of Allowability (PTO-37) expires on July 12, 2001 and this submission is on or before the expiration date.

If there are any fees due in connection with the filing of these drawings, the Commissioner is hereby authorized to charge any additional fees due to Deposit Account No. 50-0310.

Respectfully submitted,

MORGAN, LEWIS & BOCKIUS LLP


John G. Smith
Reg. No. 33,818

Dated: June 28, 2001
Customer No. 009629
MORGAN, LEWIS & BOCKIUS LLP
1800 M Street, N.W.
Washington, D.C. 20036
(202)467-7000

GAATTCCGCGAACGAAATAATTATTAGCAATTATTAGCGATCAATAATCTTGATCACATT	62
ATG GCA AGC A ^{CT} ATT AAG GAA GCA TTA TCA GTG GTG AGT GAA GAC CAG TCC TTG TTT GAG	122
M A S T I K E A L S V V S E D Q S L F E	20
TGT GCC TAC GGA TCG CCC CAC CTT GCA AAG ACA GAA ATG ACA GCA GCC TCC TCT TCC AGT GAA	182
C A Y G S P H L A K T E M T A S S S S E	40
TAT GGG CAA ACA TCA AAG ATG AGC CCG CGC GTT CCC CAG CAG GAC TGG TTA TCA CAG CCC	242
Y G Q T S K M S P R V P Q Q D W L S Q P	60
CCG GCC AGA GTT ACC ATT AAG ATG GAG TGT AAC CCA AAC CAG GTT AAT GGG TCA AGG AAT	302
P A R V T I K M E C N P N Q V N G S R N	80
TCA CCT GAT GAC TGC AGC GTG GCA AAA GGA GGG AAA ATG GTT AGC AGT TCA GAC AAT GTT	362
S P D D C S V A K G G K M V S S S D N V	100
GGG ATG AAC TAT GGA AGC TAC ATG GAA GAG AAG CAT ATT CCG CCT CCA AAT ATG ACA ACC	422
G M N Y G S Y M E E K H I P P P N M T T	120
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N E R R V I V P A D P T L W S T D H V R	140
CAG TGG CTG GAG TGG GCA GTG AAG GAG TAT GGT CTT CCA GAC GTG GAC ATC TTG TTG TTC	542
Q W L E W A V K E Y G L P D V D I L L F	160
CAG AAC ATT GAT GGG AAA GAG TTG TGT AAA ATG ACC AAA GAT GAC TTC CAG AGA CTC ACG	602
Q N I D G K E L C K M T K D D F Q R L T	180
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P H L T S D D V D K A L Q N S P R L M H	220
GCT AGA AAC ACA GGA GGA GCC ACT TTT ATT TTT CCA AAT ACA TCA GTT TAC CCA GAA GCA	782
A R N T G G A T F I F P N T S V Y P E A	240
ACG CAA AGA ATA ACA ACA AGG CCA GAT TTA CCT TAT GAG CAA GCG AGG AGA TCA GCG TGG	842
T Q R I T T R P D L P Y E Q A R R S A W	260

ACG AGT CAC AGC CAT CCC ACT CAG TCA AAA GCT ACC CAA CCA TCA TCT TCA ACA GTG CCC	902
T S H S H P T Q S K A T Q P S S S T V P	280
AAA ACA GAA GAC CAG CGT CCT CAG TTA GAT CCT TAT CAG ATT CTT GGA CCG ACC AGC AGC	902
K T E D Q R P Q L D P Y Q I L G P T S S	300
CGT CTT GCA AAT CCA GGG AGT GGG CAG ATA CAG CTA TGG CAG TTC CTA CTG GAG CTT CTG	1022
R L A N P G S G Q I Q L W Q F L L E L L	320
TCG GAC AGC TCC AAC TCC AAC TGC ATC ACC TGG GAG GGC ACA AAT GGG GAG TTC AAG ATG	1082
S D S S N S N C I T W E G T N G E F K M	340
ACA GAC CCT GAT GAA GTG GCT CGG CGT TGG GGA GAG AGG AAA AGC AAA CCT AAC ATG AAC	1142
T D P D E V A R R W G E R K S K P N M N	360
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Y D K L S R A L R Y Y Y D K N I M T K V	380
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TCA TCC AGC TTT TTT GCT GCC CCT AAT CCA TAC TGG AAT TCA CCA ACT GGA GGC ATC TAC	1442
S S S F F A A P N P Y W N S P T G G I Y	460
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FIG. 1B

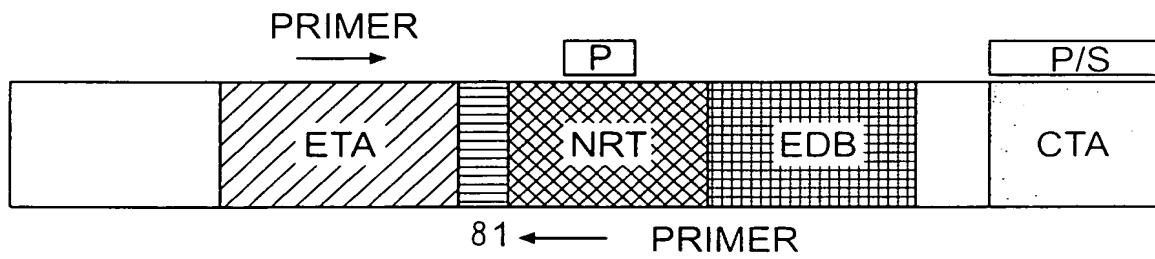


FIG. 2



MARKER

FIG. 3

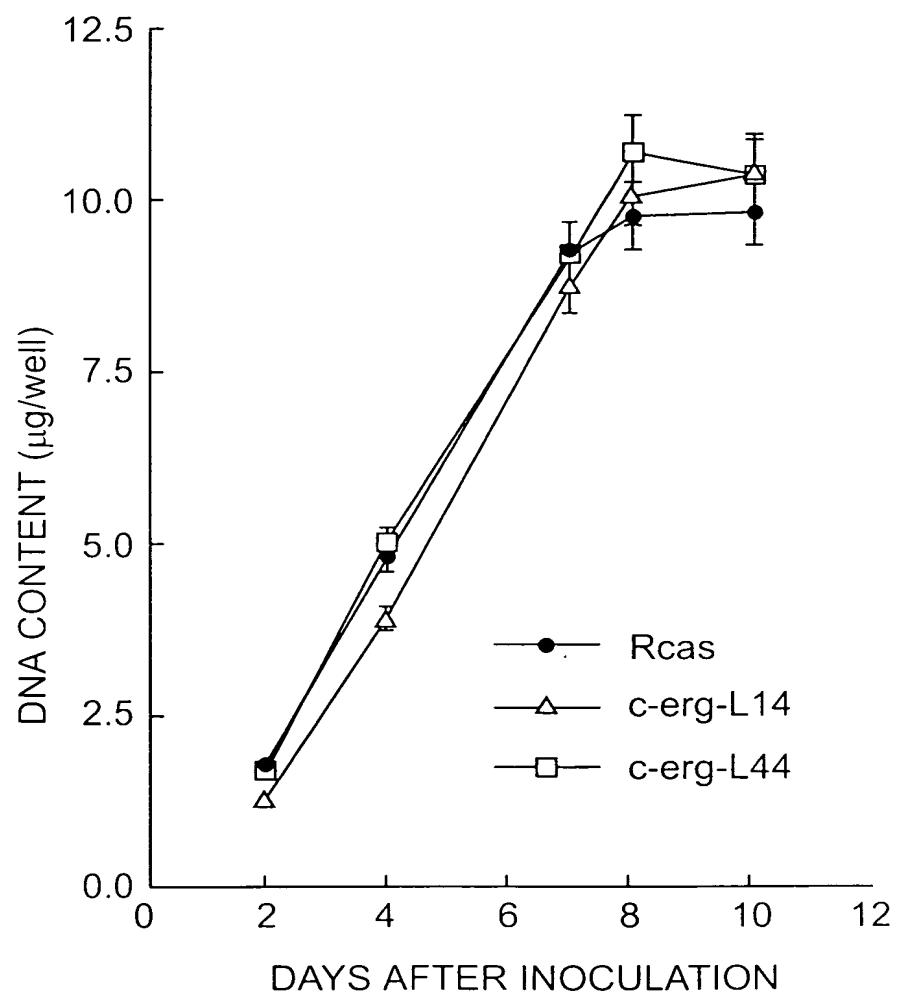


FIG. 4

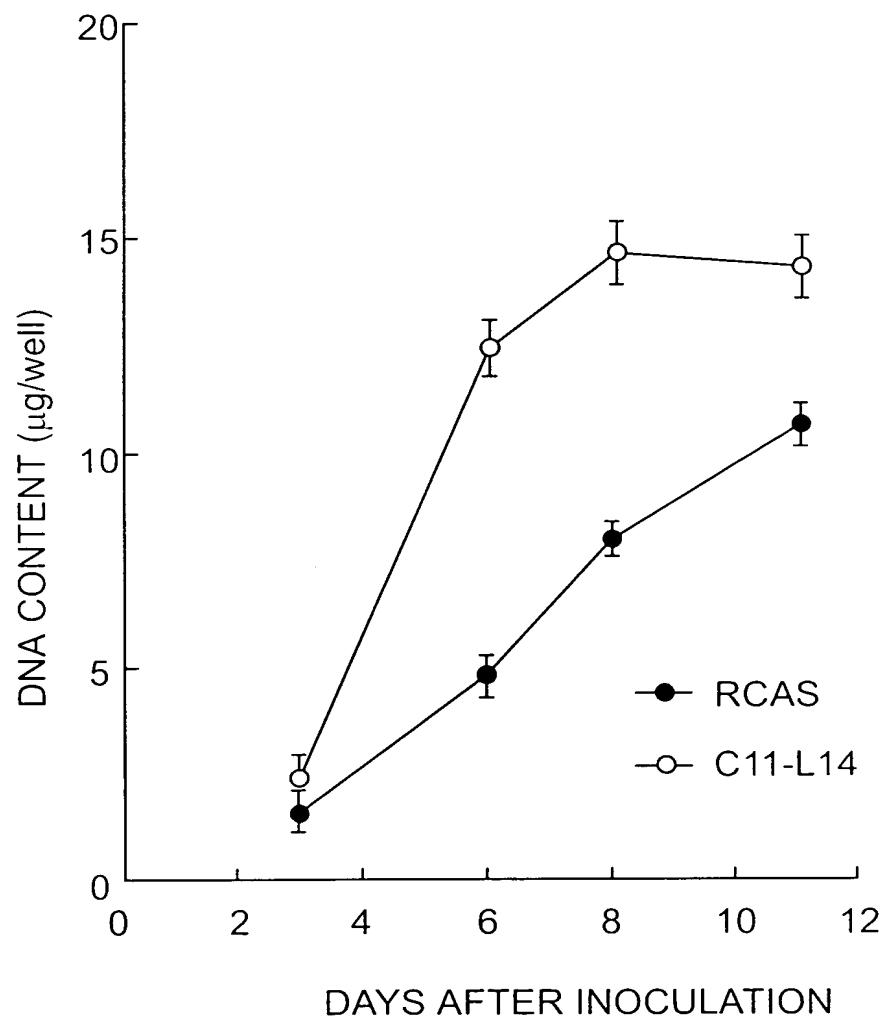


FIG. 5

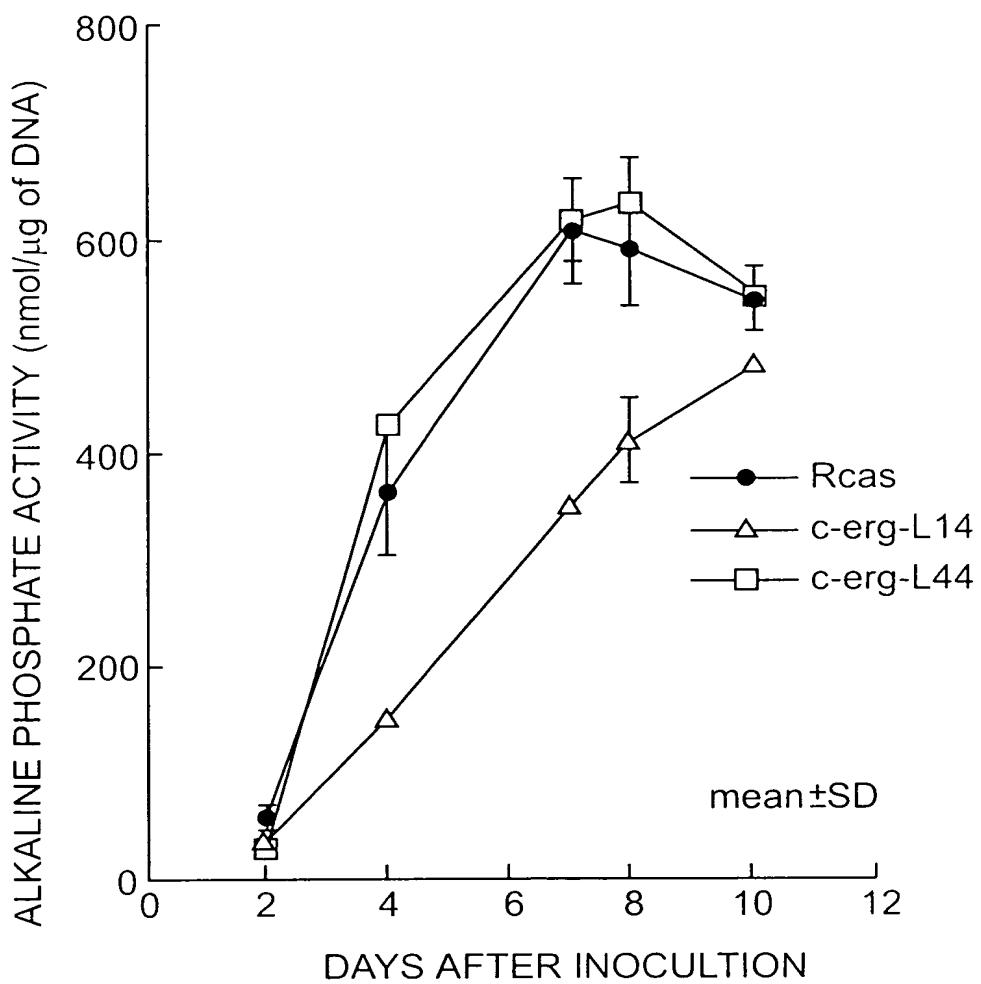


FIG. 6

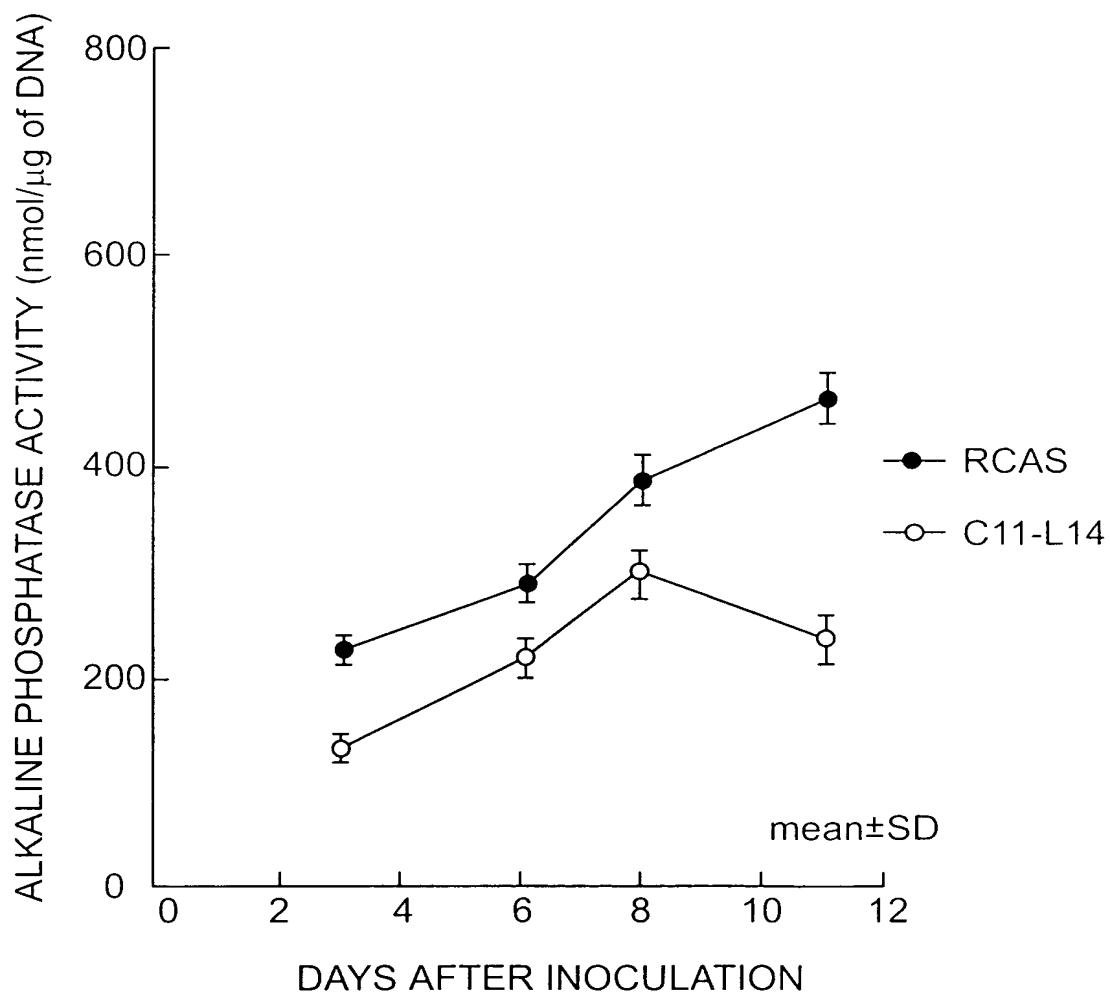
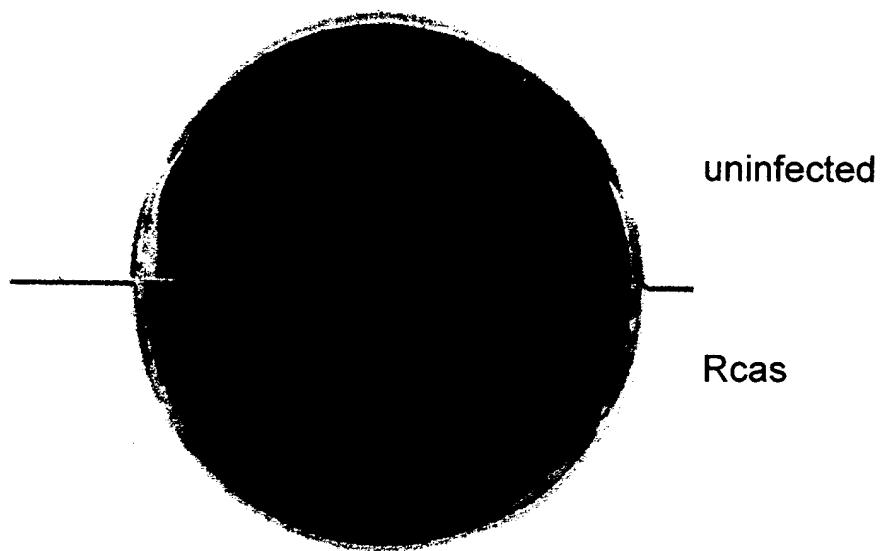


FIG. 7



uninfected

Rcas

FIG. 8

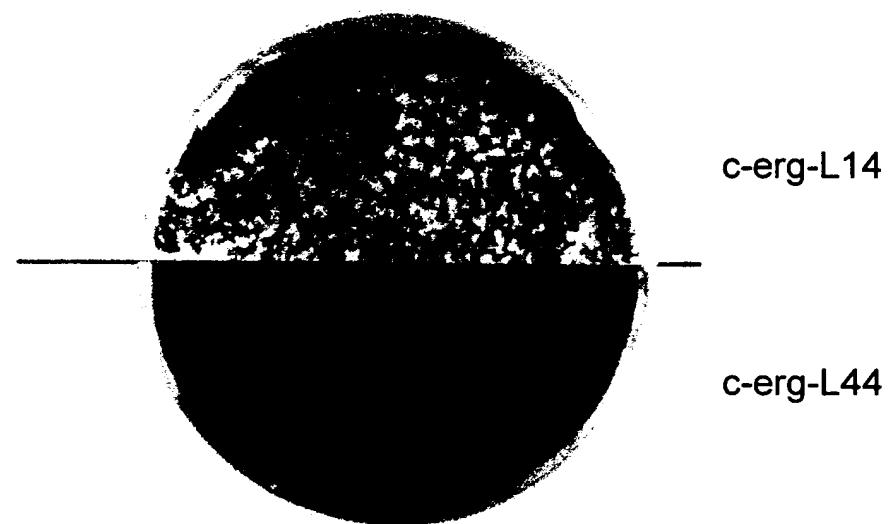


FIG. 9

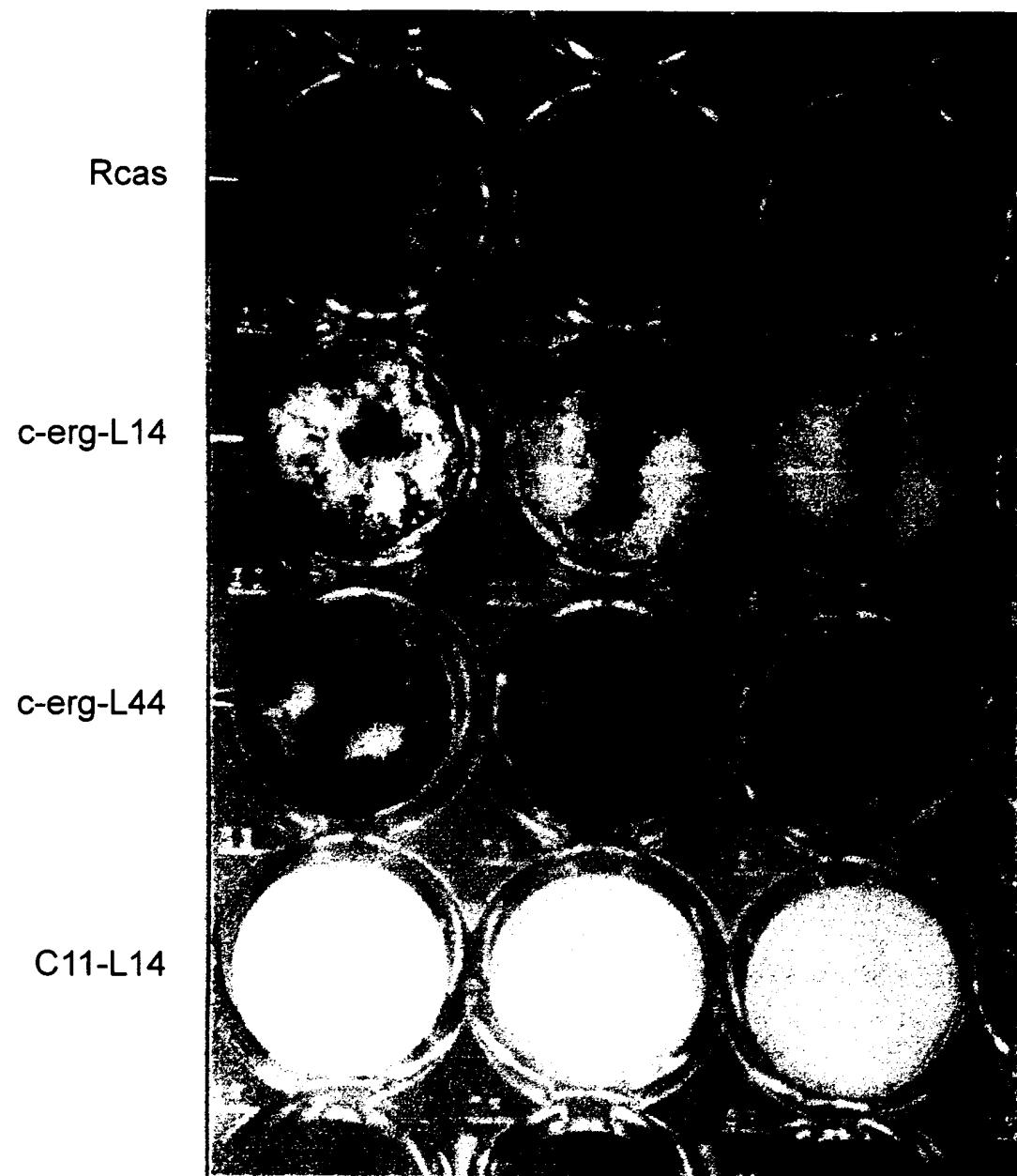


FIG. 10

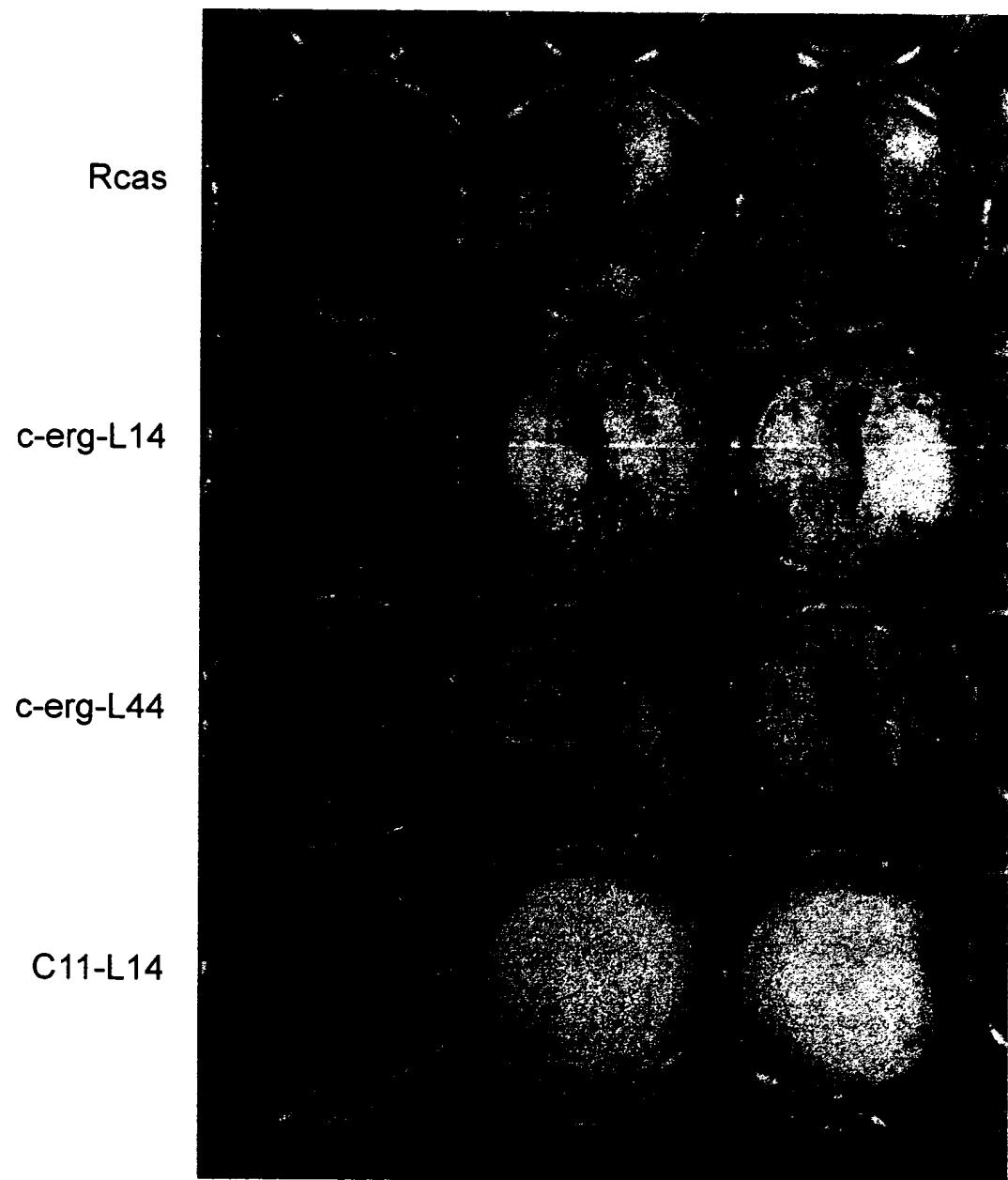


FIG. 11